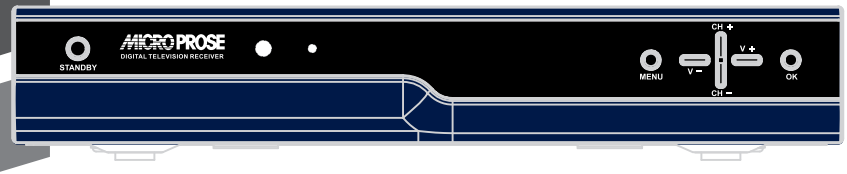
MICROPROSE

Consumer Electronics Division



MPI-500
Digital TV Receiver

User Manual

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Important Safety Instructions

WARNING

- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE TO PREVENT BLADE EXPOSURE.
- TO PREVENT FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE. TO RAIN OR MOISTURE.
- TO PREVENT ELECTRICAL SHOCK, MATCH WIDE BLADE PLUG TO WIDE SLOT FULLY INSERTED.

This lightning flash with arrowhead symbol in an equilateral triangle alerts users to the presence of uninsulated dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

Warning: To reduce the risk of electric shock, do not remove cover(or bark). No user serviceable parts inside. Refer servicing to qualified service personnel.

The exclamation mark within an equilateral triangle alerts users to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This appliance should not be exposed to water and no object filled with liquid such as a vase should be placed on the unit.

1. **Read Instructions-**All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions-**The safety and operating instructions should be retained for future reference.
3. **Heed Warnings-**All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions-**All operating instructions should be followed.

5. **Water and Moisture-**The appliance should not be used near water.
6. **Cart and Stands-**The appliance should only be used with a cart or stand that is recommended by the manufacturer.
7. **Wall or Ceiling Mounting-**The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation-**The appliance should be well situated so that its location or position does not interfere with its proper ventilation.
9. **Heat-**This appliance should be placed away from heat sources such as radiators, heat registers and stoves.
10. **Power Sources-**The appliance should only be connected to a power supply as described in the operating instructions or as marked on the appliance.
11. **Grounding or Polarization-**Precautions should be taken.
12. **Power Cord Protection-**Power supply cord should be routed so that it is not likely to be walked on, pinched by items placed upon it against the cord and its end.
13. **Cleaning-**The appliance should be cleaned only as recommended by the manufacturer.
14. **Power Lines-**An outdoor antenna should be located away from power lines.
15. **Outdoor Antenna Grounding-**If an outside antenna is connected to the receiver , the antenna system must be grounded so as to provide against voltages and built-up static charges.
16. **Non-use Periods-**The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
17. **Object and Liquid Entry-**Care should be taken so that objects do not fall, and liquids are not spilled into the enclosure through openings.
18. **Conditions Requiring Service-**The appliance should be serviced by qualified service personnel when:
    - The power-supply cord or the plug has been damaged.
    - Objects have fallen on or liquid has been spilled into the appliance.
    - The appliance has been exposed to rain.
    - The appliance does not appear to operate normally or exhibits a marked change in performance.
19. This appliance should not be exposed to water and no objects filled with liquids such as a vase should be placed on the unit. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Contents and Equipment

Package Contents

1. MPI-500 Receiver
2. User Manual
3. Remote Control
4. AV Connection Cable
5. AC Adapter
6. RF Coaxial Cable

MPI-500 Receiver

User Manual

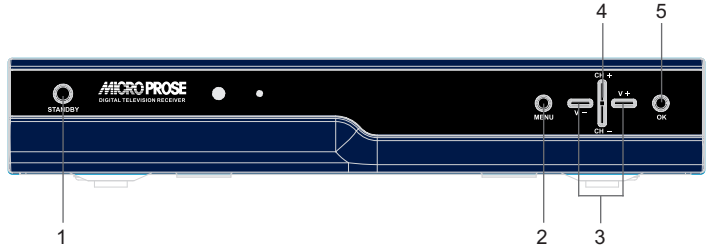
Remote Control
AAA Batteries(x2)

AV Connection Cable

AC Adapter

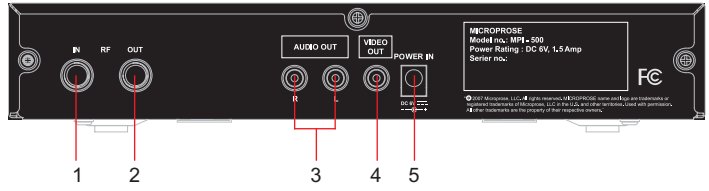
RF Coaxial Cable

Front Panel



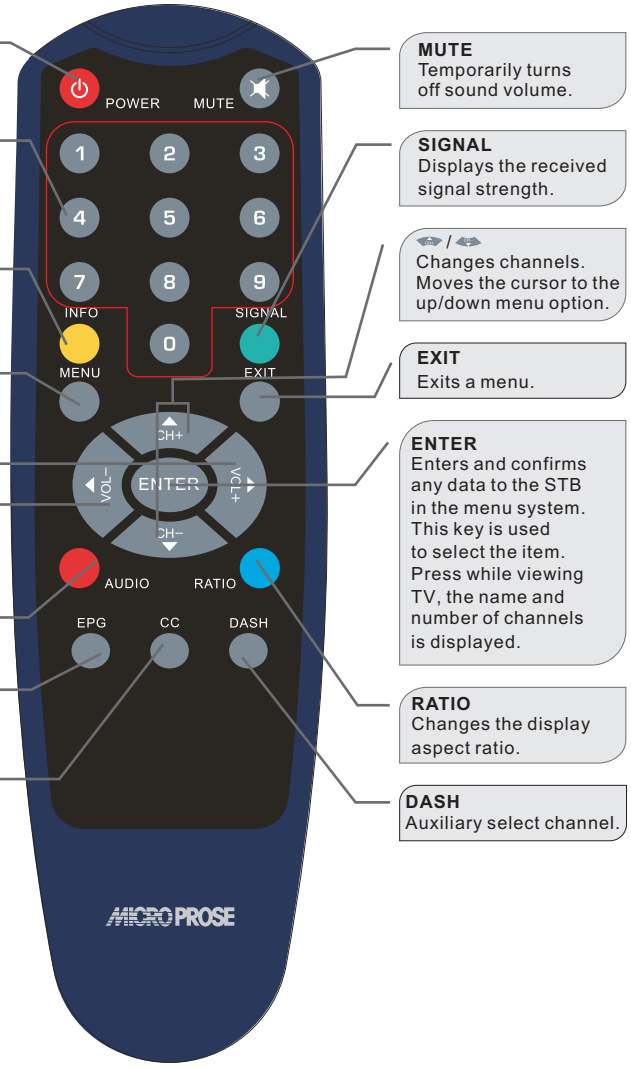
1. STANDBY: toggles unit between on and standby mode.
2. MENU: Displays the main menu.
3. V+/-: Adjusts the volume level.
4. CH+/-: Changes channels up/ down.
5. OK: Selects a menu or confirms the selected operation.

Rear Panel



1. IN: Receives the signal from antenna.
2. OUT: Supports a share antenna output.
3. AUDIO OUT (L/R): Two stereo channel audio output.
4. VIDEO OUT: Composite video output.
5. POWER IN: Connects to AC Adapter.

The Remote Control



POWER
switches the STB ON/ STANDBY mode.

0-9 Numerical keys
Enters numeric values and selects the channel directly by entering its number.

INFO
Displays the program information box in the screen.

MENU
Opens up the menu or return to the previous menu.

/
Increases or decreases the volume.
Moves the cursor to the left/right menu option.

AUDIO
Changes the audio.

EPG
Displays the simple TV Program guide.

CC
Chooses Close Caption.

MUTE
Temporarily turns off sound volume.

SIGNAL
Displays the received signal strength.

/
Changes channels.
Moves the cursor to the up/down menu option.

EXIT
Exits a menu.

ENTER
Enters and confirms any data to the STB in the menu system. This key is used to select the item. Press while viewing TV, the name and number of channels is displayed.

RATIO
Changes the display aspect ratio.

DASH
Auxiliary select channel.

Using the Remote Control

When using the remote control, aim it at remote control sensor window on the unit, If there is an object between the remote control and the signal remote control sensor window on the unit, the remote control may not operate.
Note: When using the remote control, please note:
Do not strike or drop the remote. Do not expose the remote control to liquids and do not place it in humid environments.
Do not install or place the remote control in direct sunlight. The heat may damage the remote control.
If the remote control sensor window on the unit is in direct sunlight or strong light, the remote control may not operate normally. In this situation, change the light source or read just the angle of your unit, or operate the remote control from a location closer to the remote control sensor window on the display.

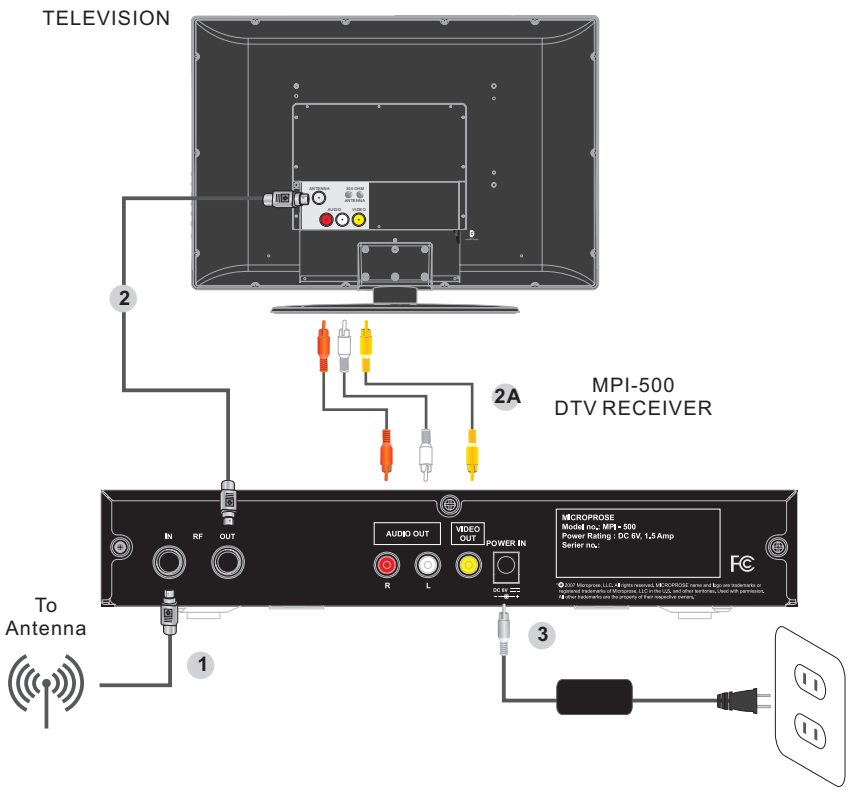
Batteries

You will need to install the supplied batteries into the remote control to make it operate following the instructions below.
1. Open the lid of the remote control battery compartment.
2. Insert two size-AAA batteries.
   Ensure that the batteries are inserted with the positive and negative terminals in the correct direction corresponding to the (+) and (-) marks in the battery compartment.
3. Install the lid of the remote control battery compartment.

Notes on Using Batteries

The use of the wrong type of batteries may cause chemical leaks and/or explosion. Please note the following:
Always ensure that the batteries are inserted with the positive and negative terminals in the correct direction as shown in the battery compartment.
Different types of batteries have different characteristics. Do not mix different types.
Do not mix old and new batteries. Mixing old and new batteries will shorten battery life and/or cause chemical leaks from the old batteries.
When batteries fail to function, replace them immediately.
Chemicals which leak from batteries may cause skin irritation. If any chemical matter seeps out of the batteries, wipe it up immediately using a dry cloth.
Due to varying storage conditions, the battery life for the batteries included with your unit may be shortened. If the remote control is not used for a long period of time, remove the batteries.

How To Connect Your Digital TV Receiver



1. **Connect Digital TV Receiver to Antenna**
(Required) - Receiver must be connected to either a rooftop or attic installed antenna or a TV top Antenna.

NOTE - If your Antenna connection is a Twin-Lead wire, you must purchase a 300 Ohm to 75 Ohm Transformer. Screw the Twin- leads onto the Transformer, then carefully plug the Transformed into the RF-IN Connection on the Rear of the MPI-500 Digital TV Receiver.

2. **Connect Digital TV Receiver to Television**
Attach included RF connector cable to the RF OUT Connection on the Rear of the Digital TV Receiver
Attach the other end of the RF Cable to the Antenna IN Connection on the rear of your Television.

NOTE - If your Television is of an older type that does not have a round COAX connection, but instead has two 300 Ohm Screw Terminals, you will need to purchase a Balun Transformer. Attach it to the screw leads on the Television, and then attach the RF Cable to the other side of the Balun

2A. **Composite AV connection**
For BEST PICTURE results, connecting the Receiver to a TV (That is equipped) Composite AV is recommended
(Consult your Television Owners Manual for location, connections and Input Selection Feature to use such Signal Inputs.)

3. **Connect Digital TV Receiver to Power Outlet**
Connect the External Power Adapter Pak to the Read POWER IN port on the MPI-500 Digital TV Receiver FIRST.
Connect AC Cord end of External Power Pak to AC Wall Outlet (Microprose Recommends using a Surge Protector Power Strip.)

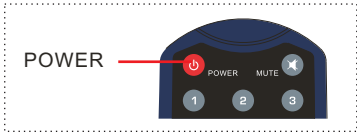
Basic Operation

Power On/ Off and Standby

After the power cord is plugged into a wall outlet, the unit will enter standby mode and the red indicator will be on.

Turn off the unit
Press **STANDBY** button at the control panel, or **POWER** on the remote control once more, and the unit will turn off.

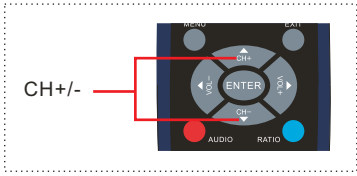
Turn on the unit
In standby mode, press **STANDBY** button at the control panel on the unit, or **POWER** button on the remote control. The unit will turn on and power indicator will light up in blue before picture appears.



Changing Channels

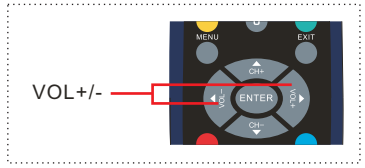
Using **CH+ /-** button on your unit or on the remote control to sequentially select the TV channels available in your channel list.

Using numerical buttons to directly input channel. Eg. To select channel 8, press 8 button on the remote control. To select channel 12, press 1 button and then 2 on the remote control. Using CH+ button to return to the previous channel.



Adjusting the Volume

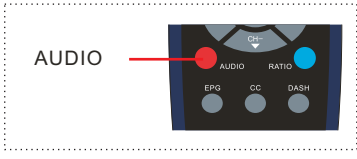
Press **V+** button on your unit or press VOL+ button on your remote control to increase volume. The volume indicator will increase in length as volume rises.
Press **V-** button on your unit or press VOL- button on your remote control to decrease volume. The volume indicator will decrease in length as volume falls.



Mute setting:
1. Press MUTE button on your remote control to temporarily cut off the sound.
2. Press MUTE button again, or VOL+/- to restore the sound.

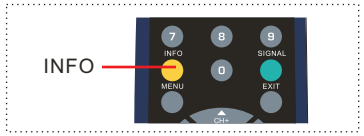
TV sound Mode Selection

Press **AUDIO** button to select Digital TV Sound mode.
Note: Items available will depend on the TV sound system being broadcasted.



Display Program Information

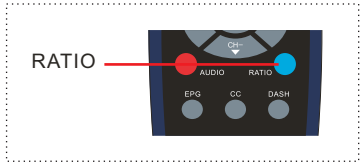
While viewing a program, press INFO button to display program information and press EXIT button to exit from this function.



Adjusting Aspect Ratio

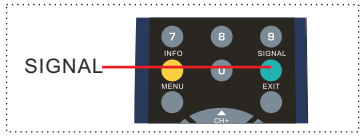
Press **RATIO** button on your remote control to select the image aspect ratio you prefer.

Press the button several times to cycle through various ratios.



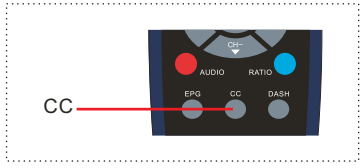
Signal State

Press **SIGNAL** button to display the received signal strength.



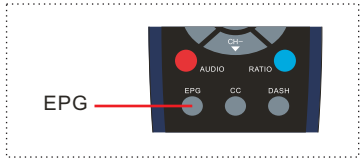
Subtitle On/ Off

Press **CC** button to display among CC1-4, Text1-4 and off.
Press **EXIT** to exit the subtitle.



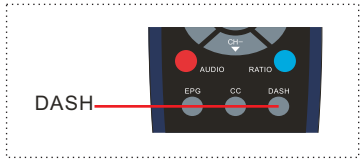
Viewing the EPG(Electronic Program Guide) information

The Unit supports EPG function. You can press EPG button to navigate all TV programs you had saved. This function depends on program service support.



Auxiliary Channel Selection

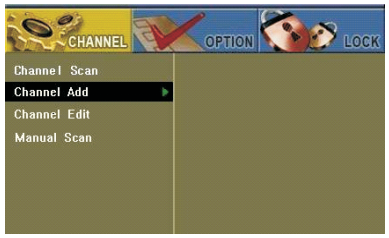
While viewing TV, press DASH button and then enter your desired channel number and station number for your wanted program.



Menu Tree

- Channel
  - Channel Scan
  - Channel Add
  - Channel Edit
  - Manual Scan
- Option
  - Clock
    - Current Time
    - Time Zone
  - Aspect Ratio
    - Set by program
    - Letter box
    - cropped
    - squeezed
  - Language
    - English
    - Spanish
    - French
  - Audio Language
    - English
    - Spanish
    - French
  - Caption Select
    - ACC
    - DCC
    - DCC Service
  - DCC View
    - Font Size
    - Font Type
    - Text Color
    - Text Opacity
    - BG Color
    - BG Opacity
    - Edge Color
    - Edge Type
  - Sleep Mode
    - off
    - 1 hour
    - 2 hour
    - 4 hour
    - 8 hour
  - Output Channel
- Lock
  - Password
    - Lock System
      - On
      - Off
    - Set Password
    - Block Channel
    - TV Rating-Children
      - Age
      - Fantasy Violence
    - TV Rating-Children
      - Age
      - Dialogue
      - Language
      - Sex
      - Violence

Using the On-Screen Display(OSD) Menu



1. Press **MENU** button to display the OSD menu.
2. Press **MENU** or **EXIT** to close the menu.
3. Use the ◂ or ▸ to highlight the desired content.
4. Use ▾ to scroll down to a corresponding function.
5. If no buttons are pressed, the menu closes automatically after 60 seconds.
6. Use ▴ or ▾ to scroll through to a corresponding function.

Channel Menu

Channel Scan

1. Press ▾ in the **CHANNEL** icon.
2. Press ▸ or **ENTER** to start channel scanning automatically.
3. If you want to stop the Channel Scan during scanning, press **MENU** or **ENTER**.
4. When Channel Scan is done, **Completed Channel Scan** screen will appear.
5. Press **ENTER** or **MENU** to return to the previous menu.

Channel Add

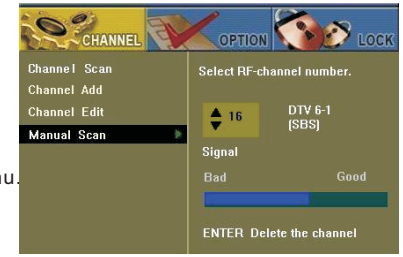
1. Go to Channel Add using ▾ or ▴.
2. Press ▸ or **ENTER** to start adding the channels.
3. If a channel is already scanned by Channel Scan, or stored in channel list, it skips that channel.
4. If you press **MENU** or **ENTER** to stop this operation, the Canceled Channel Add screen will appear.
5. Press **ENTER** or **MENU** to return to the previous menu.

Channel Edit

1. Press ▸ or **ENTER** on the menu Channel Edit.
2. Press ▾ or ▴ to move to the desired channel.
3. Press **ENTER** to add or delete the channel on your channel list.
4. Press **ENTER** or **MENU** to return to the previous menu.

Manual Scan

1. Press ▸ or **ENTER** on the menu Manual Scan.
2. Press ▴ or ▾ to move to the specific channel.
3. You can view the signal strength meter to help you adjust your antenna system.
4. Press **ENTER** to add or delete the channel on your channel list.
5. Press **ENTER** or **MENU** to return to the previous menu.



Option Menu

Clock

1. The current time will be automatically set by DTV channel.
2. The correct time zone must be set for all other functions to work properly (Guide, Info, Channel banner, etc)
3. Press ▸ or **ENTER** on the menu Clock to highlight the Time Zone icon.
4. Press ◂ or ▸ to change the area you are in.
5. Time zone sequence :
   Eastern ⟶ Central ⟶ Mountain ⟶ Pacific
   Alaska ⟶ Hawaii ⟶ New F. Land ⟶ Atlantic
6. Press **ENTER** or **MENU** to return to the previous menu.

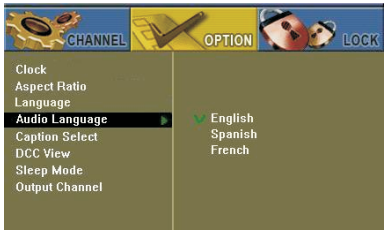
Aspect Ratio

1. Press ▸ or **ENTER** on the menu Aspect Ratio to select the display mode.
2. Press ▴ or ▾ to select an available mode.
3. According the highlighted mode, the display format will be changed.
4. Press **ENTER** or **MENU** to return to the previous menu.

Language

1. Press ▸ or **ENTER** on the menu Language to change the menu language display.
2. Press ▴ or ▾ to select a menu language.
3. According the highlighted language, all the menu display will be changed.
4. LGDT1111 supports :
   English, Spanish, and French.
5. Press **ENTER** or **MENU** to return to the previous menu.

Audio Language



1. Press ▸ or **ENTER** on the menu Audio Language to select an available audio language.
2. Press ▲ or ▼ to select your default language.
3. Press **ENTER** or **MENU** to return to the previous menu.

* If there are other audio languages, then the primary audio language of the channel will be heard.

Caption Select

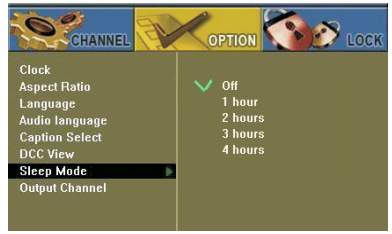
1. Go to Caption Select using ▼ or ▲.
2. Press ▸ or **ENTER** to select Caption Options.
3. Go to ACC if you want to display EIA-608 Caption.
4. Go to DCC if you want to display EIA-708 Caption.
5. Select **Standard** to see DCC.
6. Select **Custom**, if you want to customize DCC look on DCC View Menu.
7. Press **ENTER** or **MENU** to return to the previous menu.

DCC View

1. If DCC Custom Mode is selected, .
2. Press ▸ or **ENTER** to select DCC View Options.
3. Go to Font Size if you want to change font size of DCC Font.
4. Go to Font Type if you want to change font type of DCC Font.
5. Go to Text Color if you want to change text color of DCC Font.
6. Go to Text Opacity if you want to change text opacity of DCC Font.
7. Go to BG Color if you want to change background color of DCC Font.
8. Go to BG Opacity if you want to change background opacity of DCC Font.
9. Go to Edge Color if you want to change edge color of DCC Font.
10. Go to Edge Type if you want to change edge type of DCC Font.
11. Press **ENTER** or **MENU** to return to the previous menu.

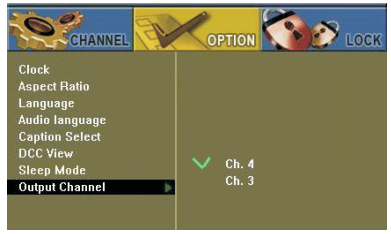
Sleep Mode

1. Go to Sleep Mode using ▼ or ▲ .
2. Press ▸ or **ENTER** to select Sleep Mode Options.
3. Select **Off** to turn off Automatic Sleep.
4. Select appropriate time to automatically turn off TV.
5. Press **ENTER** or **MENU** to return to the previous menu.



Output Channel (Optional)

1. Go to Output Channel using ▼ or ▲ .
2. Press ▸ or **ENTER** to select Output Channel Options.
3. Select appropriate channel to TV.
4. Press **ENTER** or **MENU** to return to the previous menu.



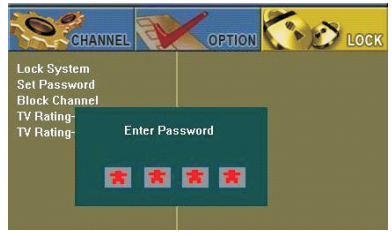
Lock Menu

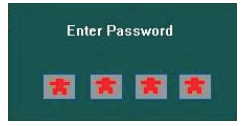
1. Press **MENU** button.

2. Press ◂ or ▸ button on remote control to highlight the **LOCK** icon and press ▼ button. Password prompt window will appear.

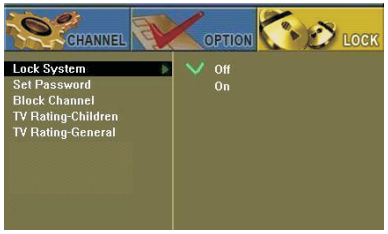
3. Enter your 4-digit Password by pressing the **NUMBER** button on the remote control. The default code is **0000** and the MAGIC code is **7777**.

4. If you enter Magic code, New Password prompt menu will appear.
   Enter and re-enter your new 4-digit password by pressing the **NUMBER** button on the remote control.





Lock System



1. Press ▼ or ▲ button on the remote control to highlight **Lock System** and press **ENTER** or ▶ button to change setting.

2. If you want to use the rating control, **On** should be checked. Or If you do not want to use the rating control, **Off** should be checked.

Set Password

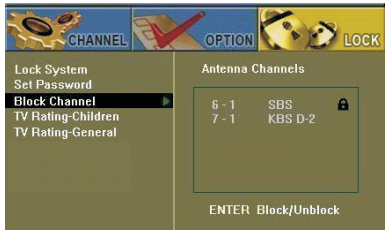
1. Press ▼ or ▲ button on the remote control to highlight **Set Password** and press **ENTER** or ▶ button to change setting. Password prompt menu will appear.

2. Enter and re-enter your new 4-digit password by pressing the **NUMBER** button on the remote control.

Block Channel

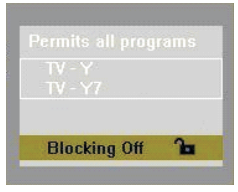
1. Press ▼ or ▲ button on the remote control to highlight **Block Channel** and press **ENTER** or ▶ button to change setting. Antenna Channels menu will appear.

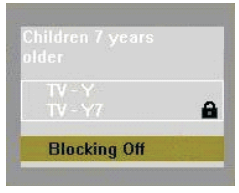
2. Press ▼ or ▲ button on the remote control to highlight channel and press **ENTER** button to block or unblock channel.



TV Rating - Children

1. Press ▼ or ▲ button on the remote controller to highlight **TV Rating - Children** and press **ENTER** or ▶ button to change setting.
2. Press ▼ or ▲ button on the remote controller to highlight **Age** or **Fantasy Violence** and press **ENTER** or ▶ button to change setting. Blocking menu window will appear.
3. Press ▼ or ▲ button on the remote control to select block level or unblocking.





TV Rating - General

1. Press ▼ or ▲ button on the remote control to highlight **TV Rating - General** and press **ENTER** or ▶ button to change setting.
2. Press ▼ or ▲ button on the remote control to highlight **Age**, **Dialogue**, **Language**, **Sex** or **Violence**, and press **ENTER** or ▶ button to change setting. Blocking menu window will appear.
3. Press ▼ or ▲ button on the remote control to select block level or unblocking.

FCC Customer Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

Microprose Systems, LLC.
1209 Orange Street
Wilmington, DE 19801
1-888-694-7265

Trade Name: Microprose

Type of Equipment: Digital Television Receiver

Model No. MPI-500

Federal Communications Commission (FCC): This equipment complies with Part 15 of the FCC rules.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by removing and applying power to the equipment, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or replace the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Shielded cables must be used with this unit to ensure compliance with the Class B FCC limits.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user

Trouble Shooting

There may be various reasons for the abnormal operation of the receiver. Check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact the dealer. Don't open the receiver cover. It may cause a dangerous situation.

The display on front panel does not light up
- Check that the power cord is plugged into the wall outlet.
- Check whether Power Switch is on.

No picture
- Make sure that the product is in Operation Mode.
- Make sure that the AV cable is correctly connected to the TV AV Channel.
- Make sure the TV is in AV mode.
- Make sure that antenna cable is correctly connected to the MPI-500.
- Check the brightness level of TV.
- Check the channel that is on air.

No or bad signal message appears
- Check other device connected between antenna and the receiver, or adjust the antenna position.

Poor Picture & sound quality
- Install antenna where there is not obstacle ahead.
- Make sure to avoid putting mobile phone or microwave oven around the MPI-500.
- Use 75Ω coaxial cable to connect TV and antenna.

No or poor sound
- Check the volume level of the TV.
- Check the Mute status of the TV and product.
- Press the Audio button to change the Sound Track type.

Remote control does not operate
- To manipulate the equipment with the remote control the control's emitting part should be directly pointing towards the receiving part (IR Sensor) of receiver.
- Check the battery of Remote control.

Specification

Receiver Input	Item	Specification
Signal In	Input Frequency Range	54 MHz ~ 807 MHz
	RF Connector Type	F Female Type
	Modulation Format	8VSB,QAM
	Channel Bandwidth	6MHz
	Video Decoder	MPEG-2 MP@HL
	Audio Decoder	Dolby AC3 2 Channels,MPEG Audio
Receiver Output	Item	Specification
Video	Video output	Composite(RCA) x1
	Aspect Ratio	Set By Program,Letter Box,Cropped,Sequeezed
	Video Format	NTSC
Audio	Sampling frequency	32, 44.1, 48KHz
	Analog Audio output	L/R(RCA) 2Ch
	Digital Audio output	N/A
General	Item	Specification
Power supply	Adaptor input Voltage	~100-240VAC, 50/60Hz
	Adaptor output	DC 6V / 1.5A
	Consumption	max 10Watts
Dimension	Size	255(L)x208(W)x42(H)mm
	Weight	0.9kg